

ABSTRACT OF THE DISCLOSURE

A server architecture based on asymmetric 3-way TCP (ATCP) is disclosed that can distribute the work among multiple processors. In particular, the server system has a front-end server receiving a service request from a client. The server system also has a back-end server that receives a command from the front-end server. The back-end server sends the result back directly to the client in a pseudo packet that looks like a packet sent from the front-end server. The pseudo packet has the IP address and the port number of the front-end server. A scalable system is achieved because the bottleneck through the front-end server is avoided.